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(54) PREPARATION OF CYTOKININ-TYPE PLANT HORMONE

(57) Abstract:

PURPOSE: To prepare cytokinin-type plant hormone in high efficiency, by culturing basidiomycetes.

CONSTITUTION: Mycelia of basidiomycetes (e.g. Cortinellus shiitake, Pholiota nameko, Lyophyllum aggregatum, etc.) are cultured in a solid medium (e.g. a bagasse medium, composed of 9 parts of bagasse

and 1 part of rice bran, or a beet medium composed of 12 parts of beet refuse and 1 part of rice bran) or in a liquid medium (e.g. a mixed liquid medium composed of glucose, peptone and yeast or composed of malt extract powder and yeast). The objective cytokinin hormone (e.g. zeatine, zeatineriboside, etc.) is prepared by extracting cell liquid of mycelia and metabolized products from the cultured mycelia, and purifying the extract.

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